FIG. 1

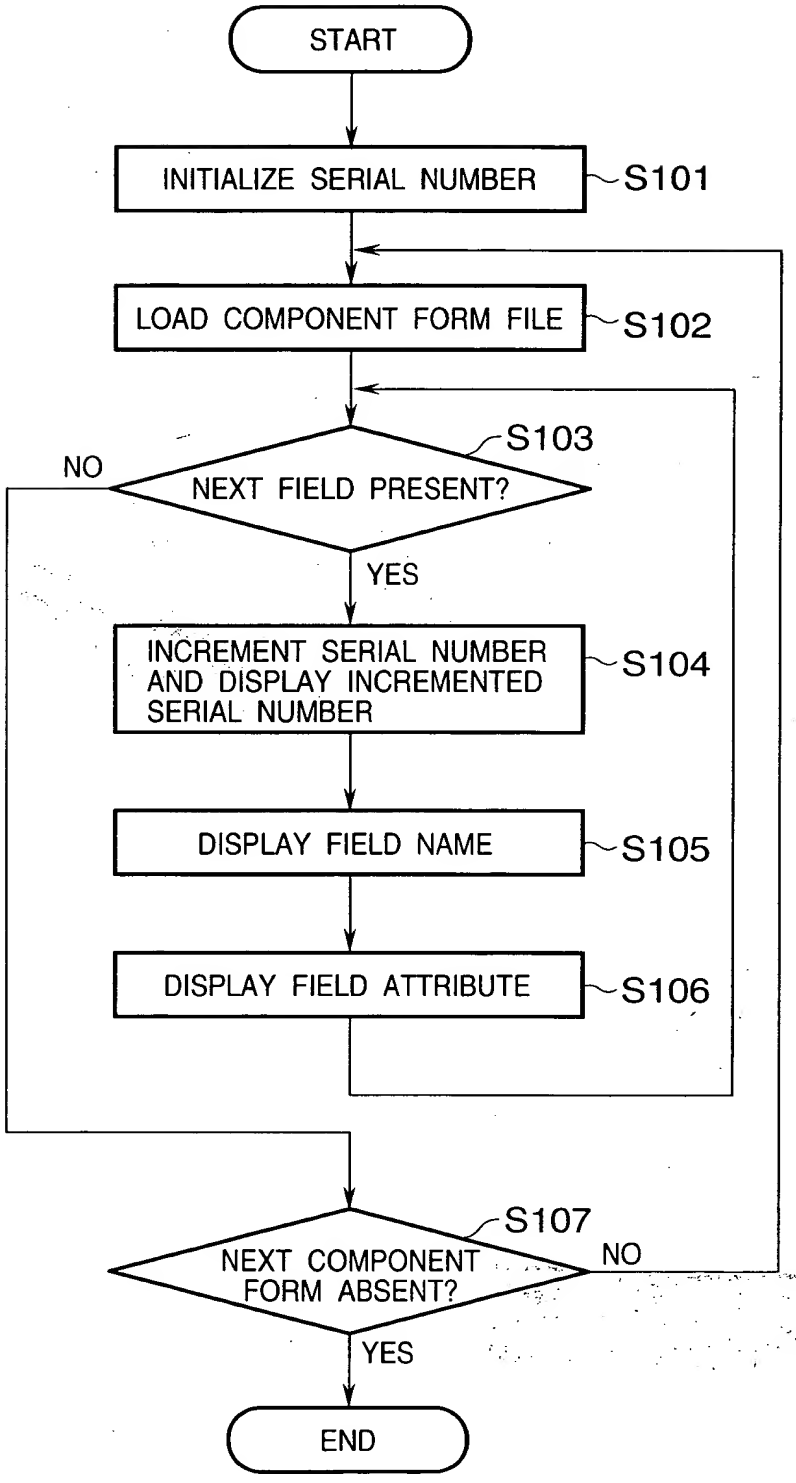
START
INITIALIZE SERIAL NUMBER
S101
LOAD COMPONENT FORM FILE
S102
S103
NEXT FIELD PRESENT?
NO
YES
INCREMENT SERIAL NUMBER AND DISPLAY INCREMENTED SERIAL NUMBER
S104
DISPLAY FIELD NAME
S105
DISPLAY FIELD ATTRIBUTE
S106
S107
NEXT COMPONENT FORM ABSENT?
NO
YES
END

FIG. 2

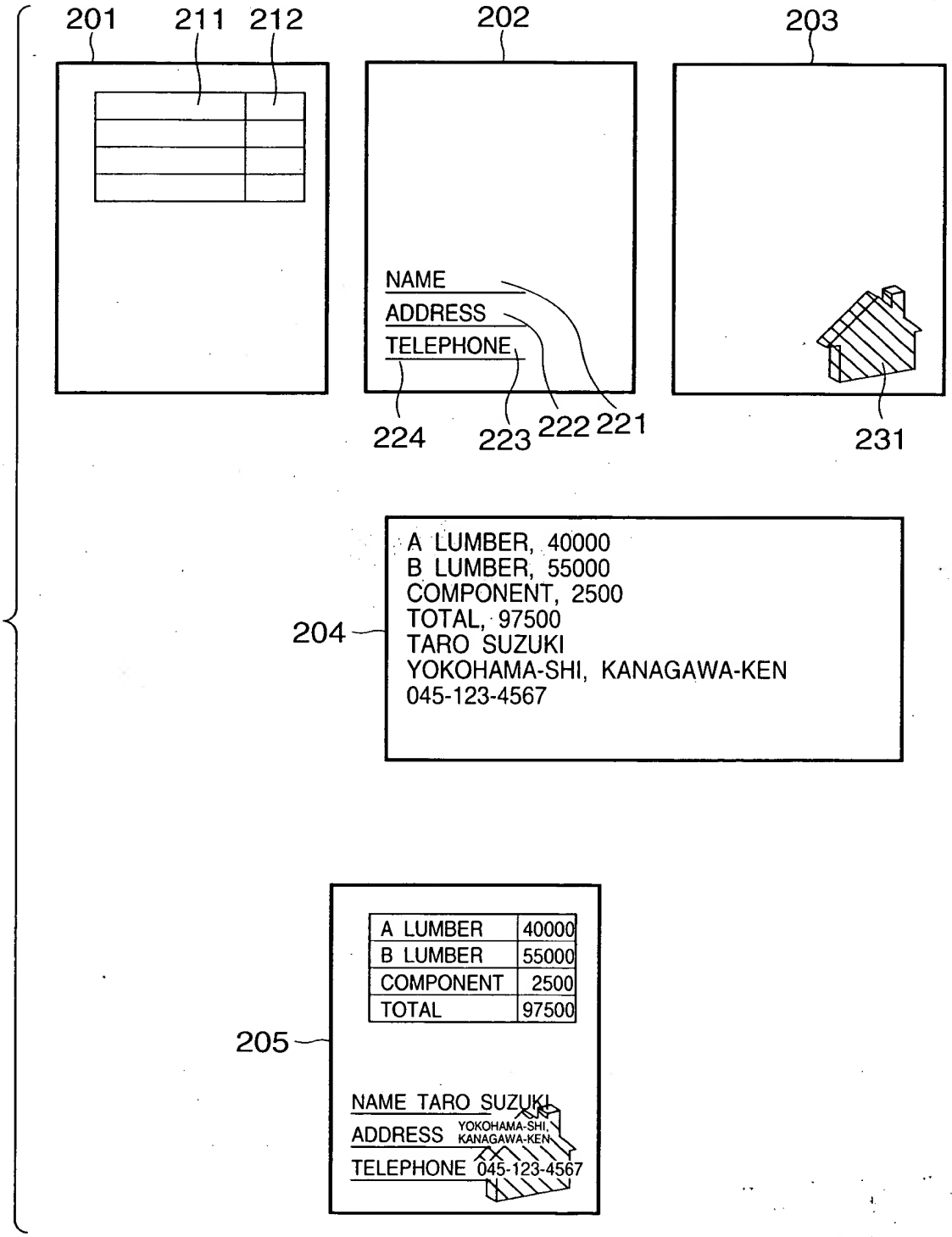
201
211
212
202
203
NAME
ADDRESS
TELEPHONE
224
223
222
221
231
204
A LUMBER, 40000
B LUMBER, 55000
COMPONENT, 2500
TOTAL, 97500
TARO SUZUKI
YOKOHAMA-SHI, KANAGAWA-KEN
045-123-4567
205
A LUMBER 40000
B LUMBER 55000
COMPONENT 2500
TOTAL 97500
NAME TARO SUZUKI
ADDRESS YOKOHAMA-SHI, KANAGAWA-KEN
TELEPHONE 045-123-4567

FIG. 3

301

VAR001,,CHARACTER	VAR002, COST1, NUMERICAL VALUE
VAR003,,CHARACTER	VAR004, COST2, NUMERICAL VALUE
VAR005,,CHARACTER	VAR006, COST3, NUMERICAL VALUE
VAR007, TOTAL, CHARACTER	VAR008, TOT1, NUMERICAL VALUE

302

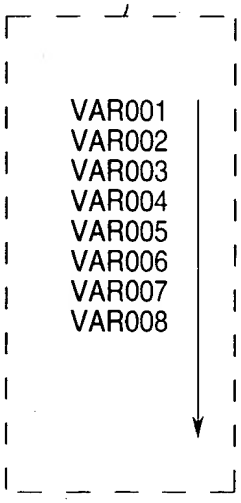

FIG. 4

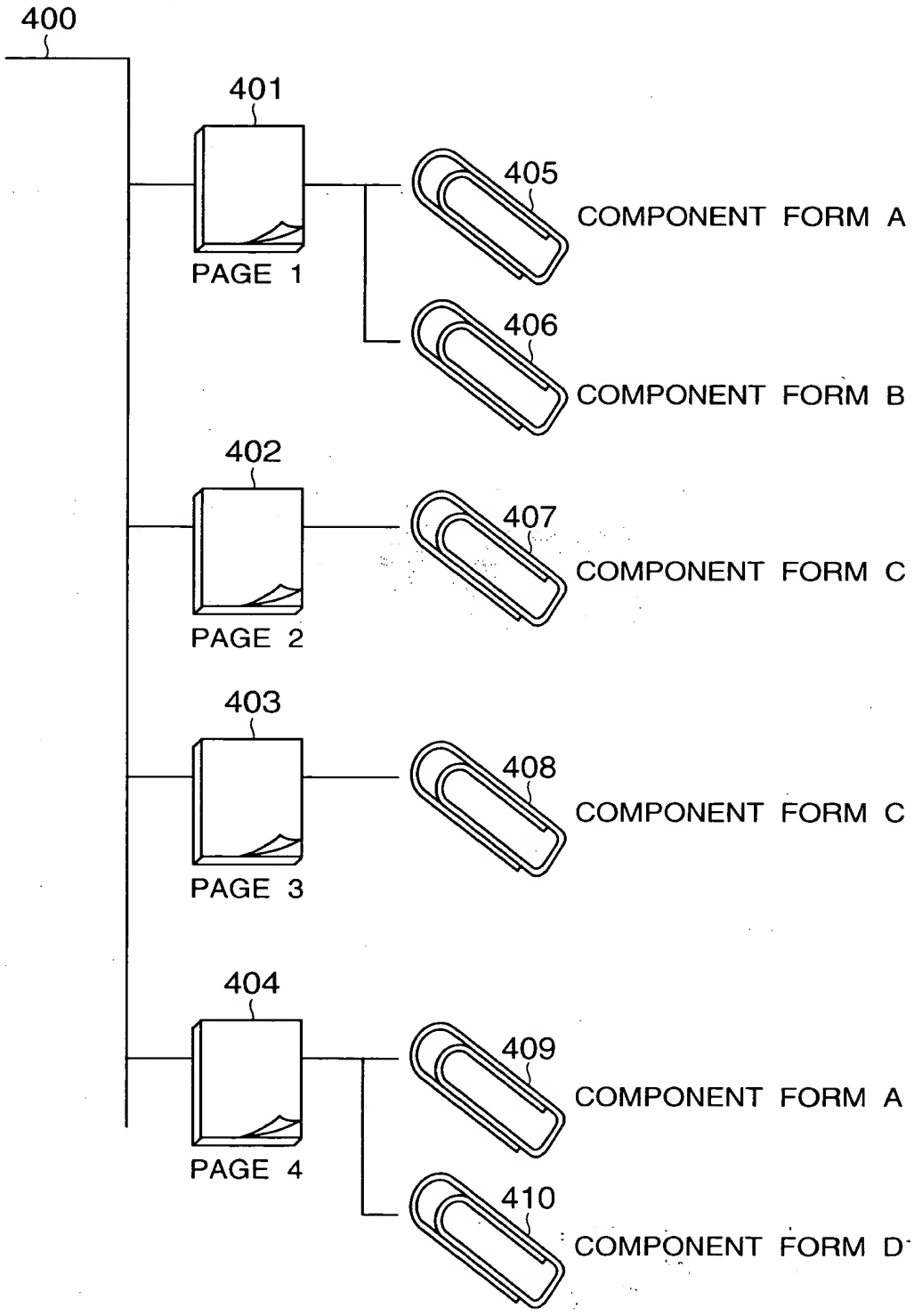
400
401
PAGE 1
405
COMPONENT FORM A
406
COMPONENT FORM B
402
PAGE 2
407
COMPONENT FORM C
403
PAGE 3
408
COMPONENT FORM C
404
PAGE 4
409
COMPONENT FORM A
410
COMPONENT FORM D

FIG. 5

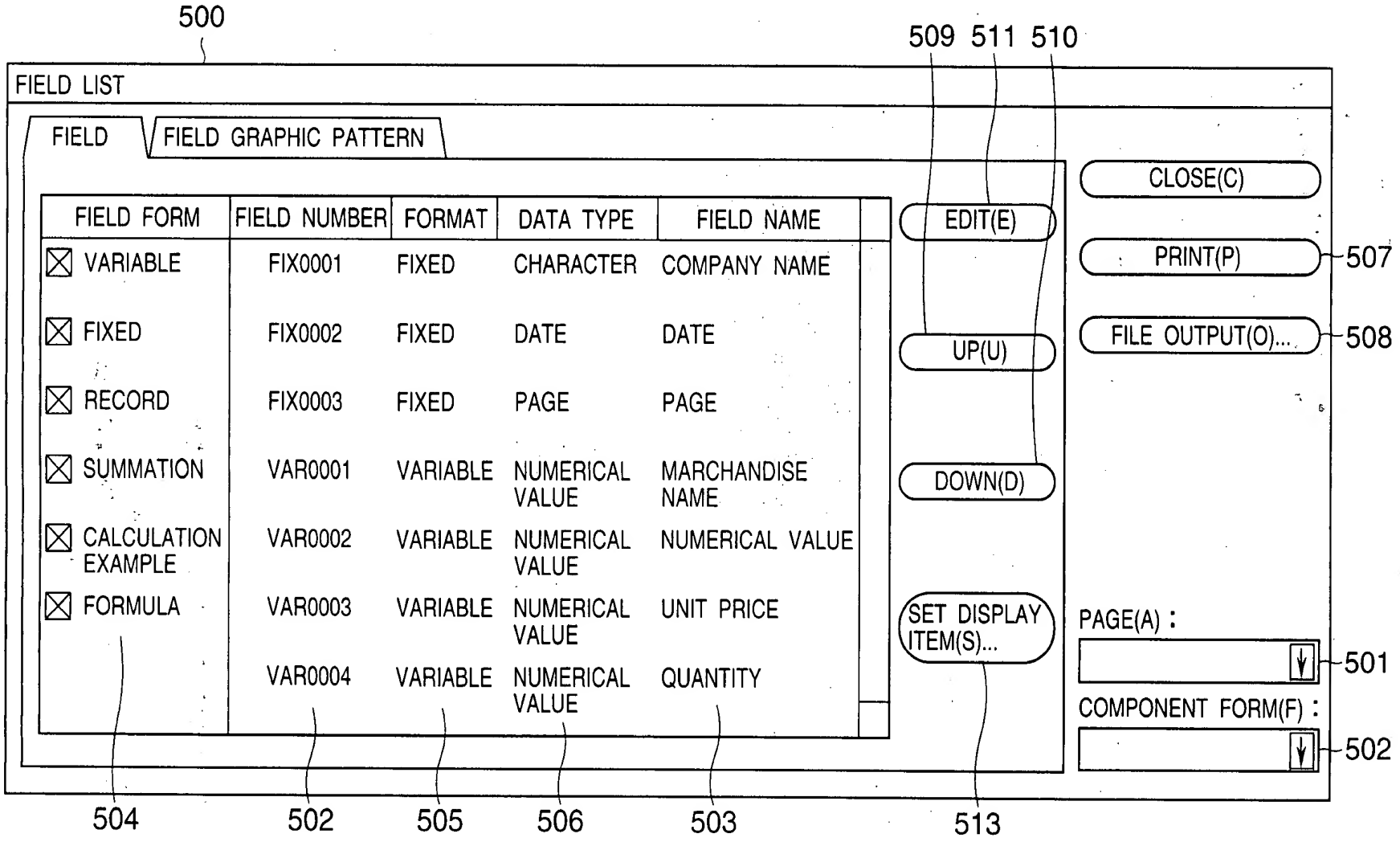
500
509
511
510
FIELD LIST
FIELD
FIELD GRAPHIC PATTERN
FIELD FORM
FIELD NUMBER
FORMAT
DATA TYPE
FIELD NAME
VARIABLE
FIX0001
FIXED
CHARACTER
COMPANY NAME
FIXED
FIX0002
FIXED
DATE
DATE
RECORD
FIX0003
FIXED
PAGE
PAGE
SUMMATION
VAR0001
VARIABLE
NUMERICAL VALUE
MARCHANDISE NAME
CALCULATION EXAMPLE
VAR0002
VARIABLE
NUMERICAL VALUE
NUMERICAL VALUE
FORMULA
VAR0003
VARIABLE
NUMERICAL VALUE
UNIT PRICE
VAR0004
VARIABLE
NUMERICAL VALUE
QUANTITY
EDIT(E)
UP(U)
DOWN(D)
SET DISPLAY ITEM(S)...
CLOSE(C)
PRINT(P)
FILE OUTPUT(O)...
PAGE(A) :
COMPONENT FORM(F) :
507
508
501
502
504
502
505
506
503
513

FIG. 6

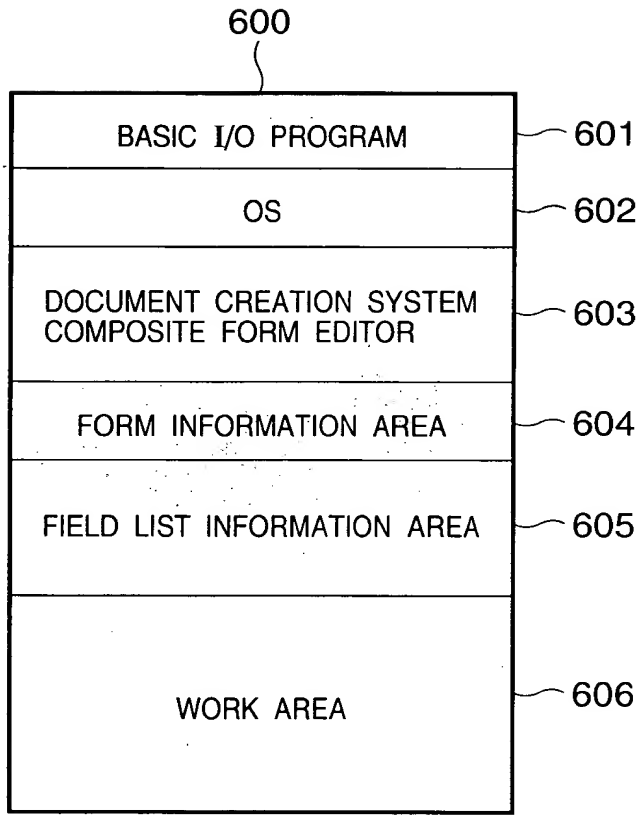
600
BASIC I/O PROGRAM
601
OS
602
DOCUMENT CREATION SYSTEM
COMPOSITE FORM EDITOR
603
FORM INFORMATION AREA
604
FIELD LIST INFORMATION AREA
605
WORK AREA
606

FIG. 7

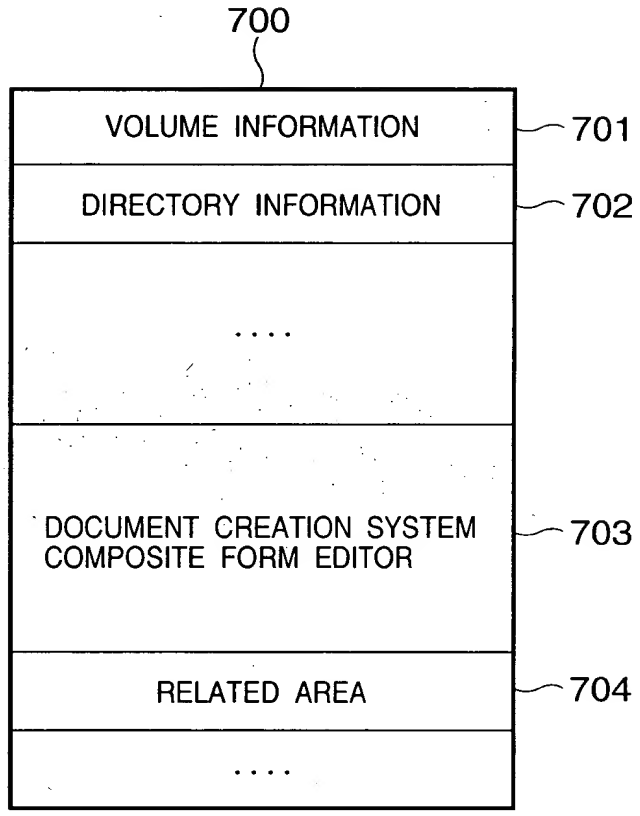
700
VOLUME INFORMATION
701
DIRECTORY INFORMATION
702
....
DOCUMENT CREATION SYSTEM
COMPOSITE FORM EDITOR
703
RELATED AREA
704
....

FIG. 8

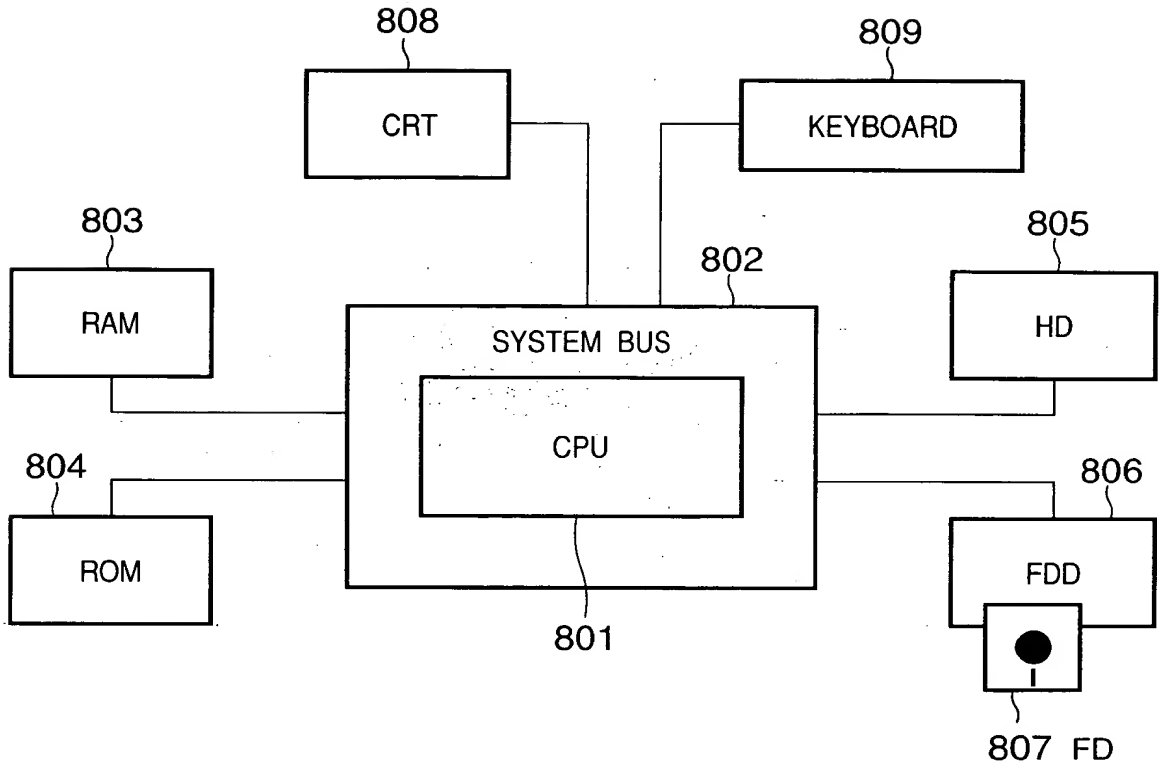
808
CRT
809
KEYBOARD
803
RAM
802
SYSTEM BUS
805
HD
CPU
804
ROM
806
FDD
801
807 FD

FIG. 9

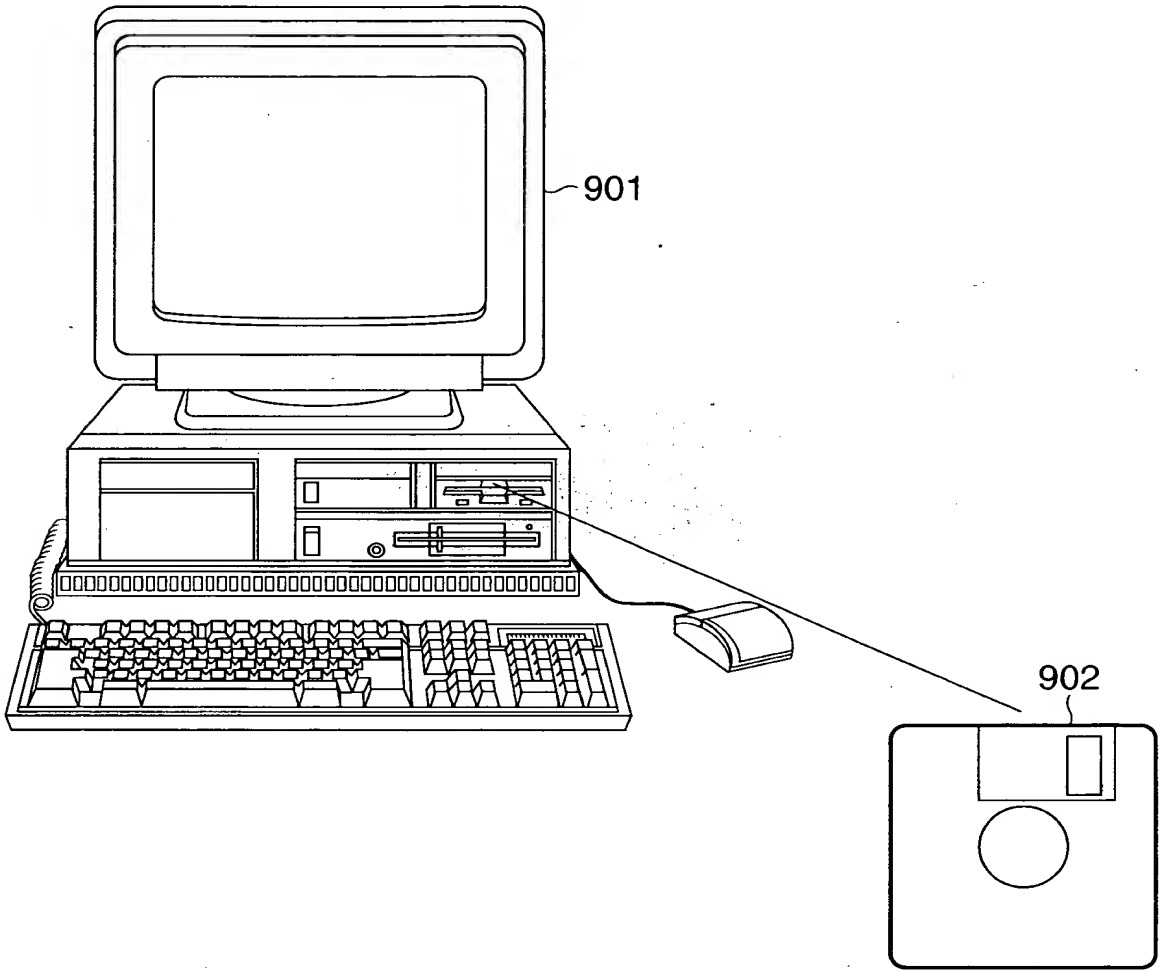

FIG. 10

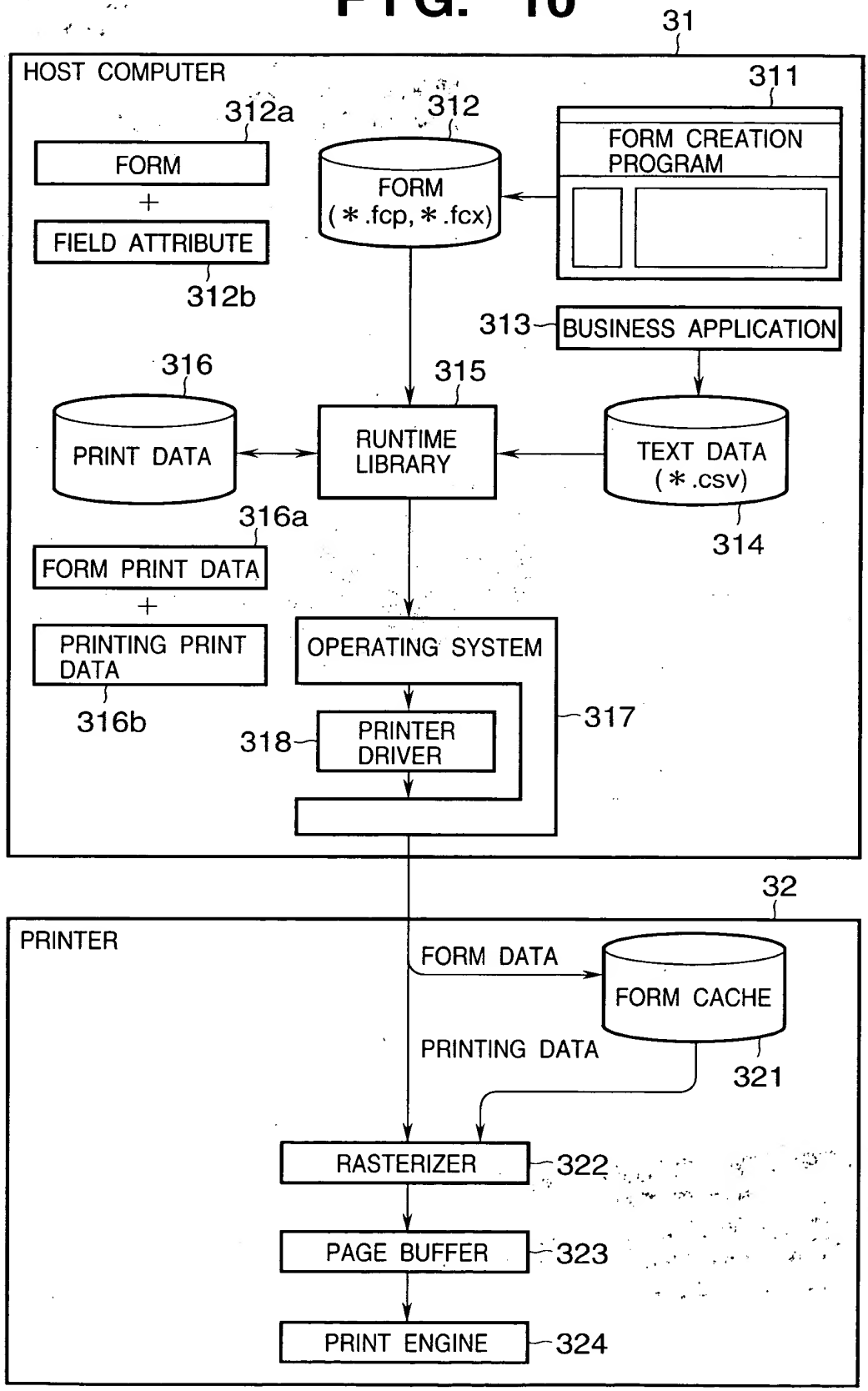
31
HOST COMPUTER
311
312a
312
FORM
+
FIELD ATTRIBUTE
312b
FORM
(*.fcp, *.fcx)
FORM CREATION PROGRAM
313
BUSINESS APPLICATION
316
315
PRINT DATA
RUNTIME LIBRARY
TEXT DATA
(*.csv)
314
316a
FORM PRINT DATA
+
PRINTING PRINT DATA
316b
OPERATING SYSTEM
317
318
PRINTER DRIVER
32
PRINTER
FORM DATA
FORM CACHE
PRINTING DATA
321
RASTERIZER
322
PAGE BUFFER
323
PRINT ENGINE
324

FIG. 11

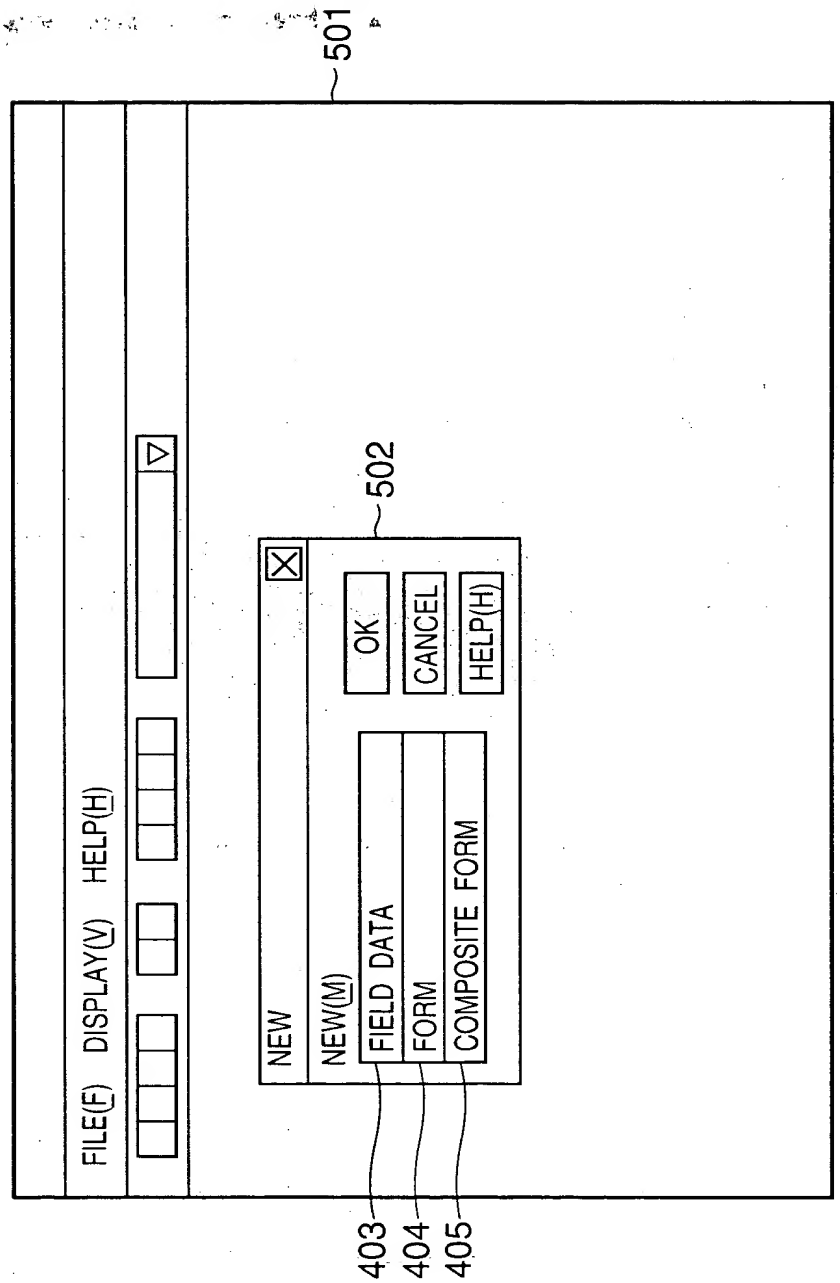
501
FILE(F)
DISPLAY(V)
HELP(H)
502
NEW
NEW(M)
FIELD DATA
FORM
COMPOSITE FORM
OK
CANCEL
HELP(H)
403
404
405

FIG. 12

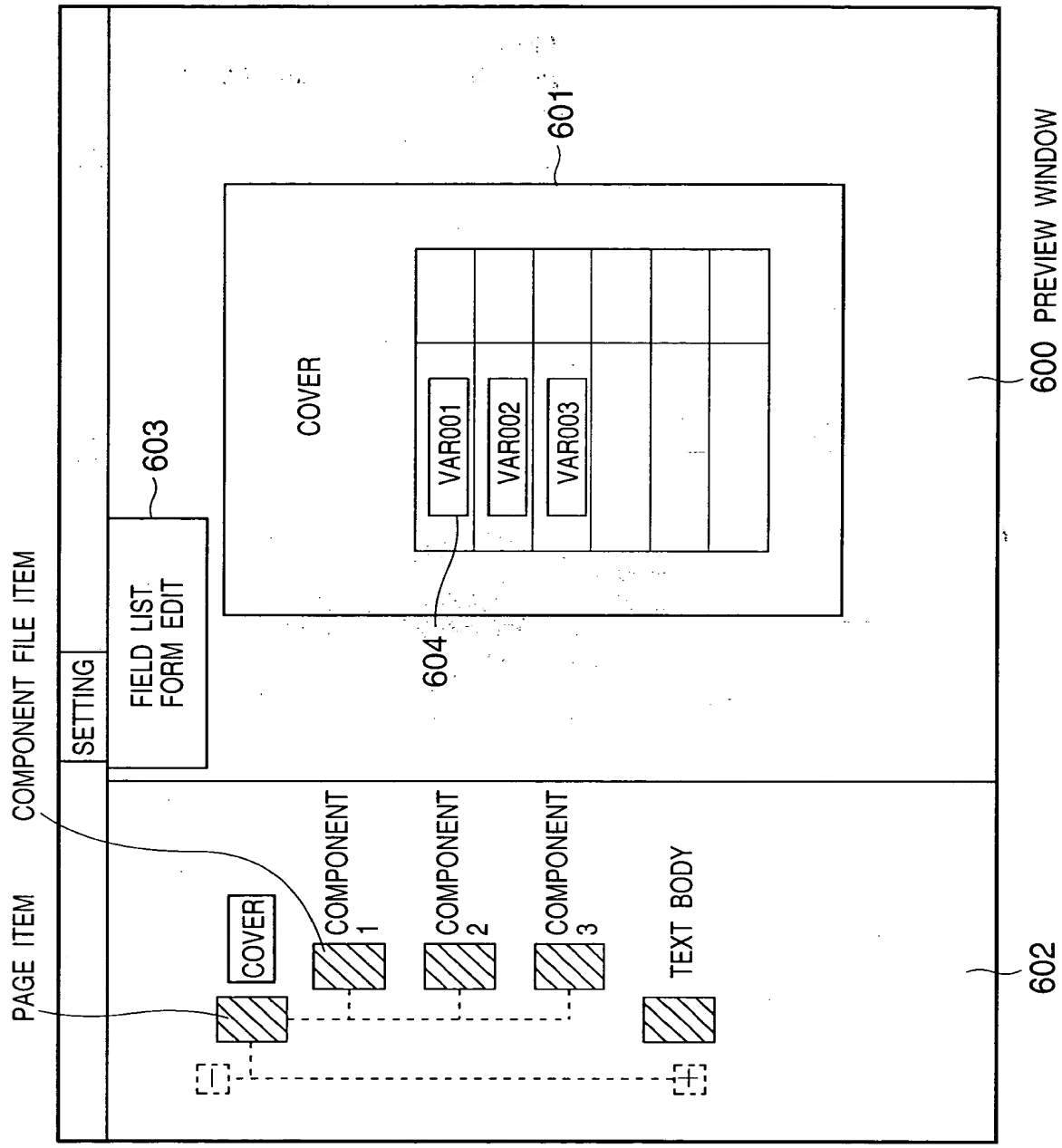
600 PREVIEW WINDOW
601
COVER
VAR001
VAR002
VAR003
604
603
FIELD LIST
FORM EDIT
SETTING
COMPONENT FILE ITEM
PAGE ITEM
COVER
COMPONENT 1
COMPONENT 2
COMPONENT 3
TEXT BODY
602

FIG. 13A

```
[COMPOSITE FORM SETTING FILE NAME]
C:Program Files¥Fcpro¥FORMWORK¥Test .fcx
[COMPOSITE FORM SETTING DIRECTORY NAME]
C:Program Files¥Fcpro¥FORMWORK
101~ [NUMBER OF PAGES] 3

102~ [PAGE NAME]          Nenkin01
103~ [REPETITION COUNT]   ARBITRARY
104~ [PAGE TYPE]          STANDARD PAGE
105~ [FILE NAME]
C:Program Files¥Fcpro¥Samples¥Nenkin01 .fcp

106 { [PAGE NAME]          Nenkin02
      [REPETITION COUNT]   ARBITRARY
      [PAGE TYPE]          STANDARD PAGE
      [FILE NAME]
      C:Program Files¥Fcpro¥Samples¥Nenkin02 .fcp
      C:Program Files¥Fcpro¥Samples¥Nenkin03 .fcp
      C:Program Files¥Fcpro¥Samples¥Nenkin04 .fcp

107 { [PAGE NAME]          Nenkin03
      [REPETITION COUNT]   ARBITRARY
      [PAGE TYPE]          STANDARD PAGE
      [FILE NAME]
      C:Program Files¥Fcpro¥Samples¥Nenkin03 .fcp
```

FIG. 13B

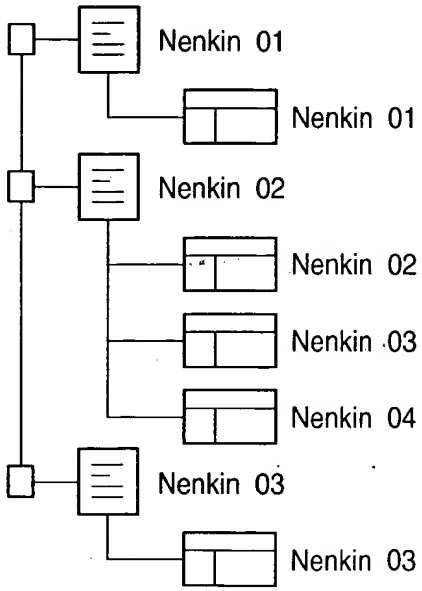

FIG. 14

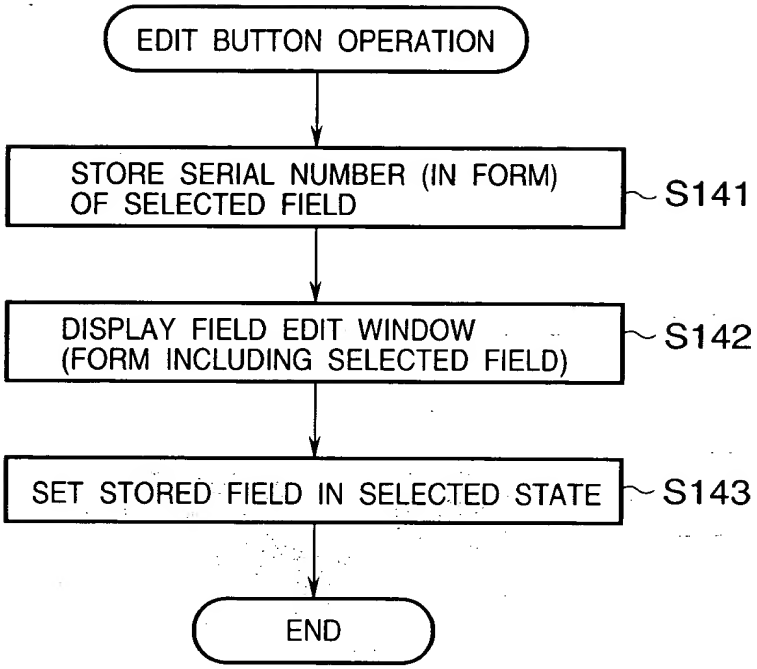
EDIT BUTTON OPERATION
STORE SERIAL NUMBER (IN FORM) OF SELECTED FIELD
S141
DISPLAY FIELD EDIT WINDOW (FORM INCLUDING SELECTED FIELD)
S142
SET STORED FIELD IN SELECTED STATE
S143
END

FIG. 15

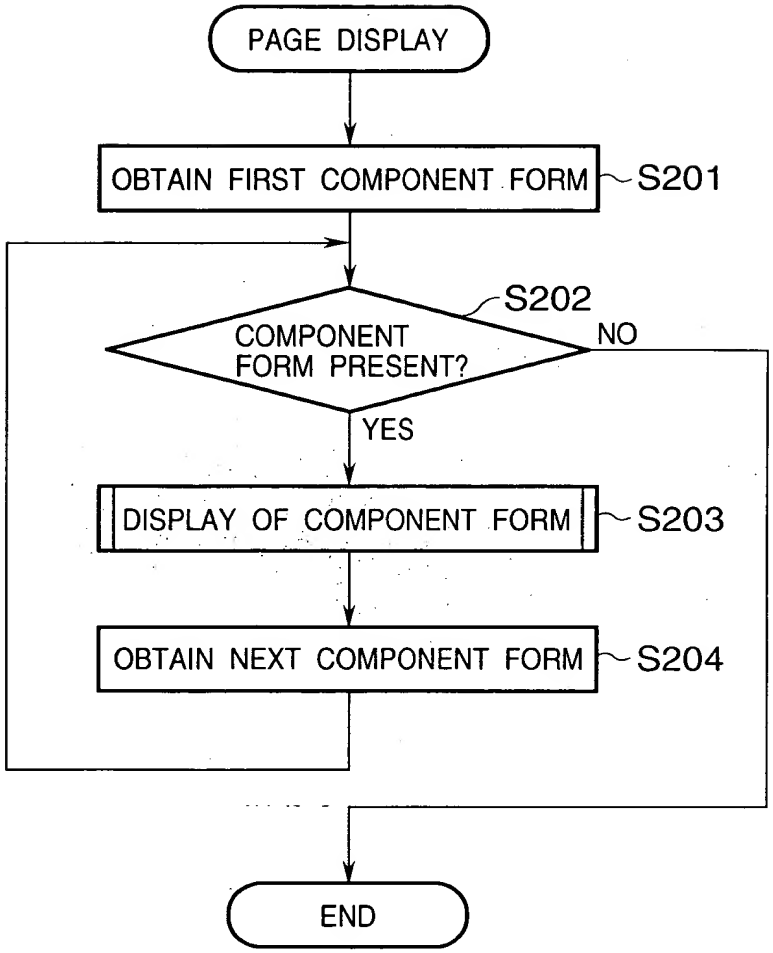
PAGE DISPLAY
OBTAIN FIRST COMPONENT FORM
S201
S202
COMPONENT FORM PRESENT?
NO
YES
DISPLAY OF COMPONENT FORM
S203
OBTAIN NEXT COMPONENT FORM
S204
END

FIG. 16

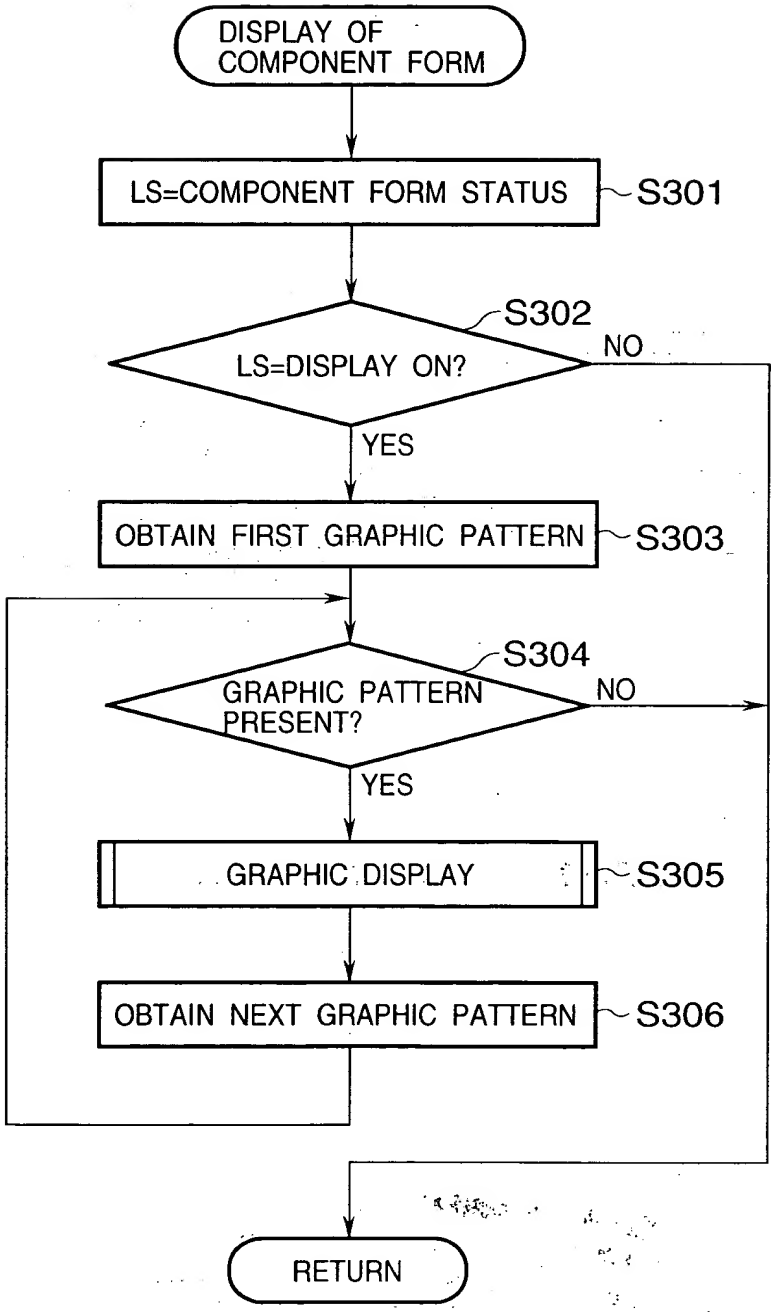
DISPLAY OF COMPONENT FORM
LS=COMPONENT FORM STATUS
S301
S302
LS=DISPLAY ON?
NO
YES
OBTAIN FIRST GRAPHIC PATTERN
S303
S304
GRAPHIC PATTERN PRESENT?
NO
YES
GRAPHIC DISPLAY
S305
OBTAIN NEXT GRAPHIC PATTERN
S306
RETURN

FIG. 17

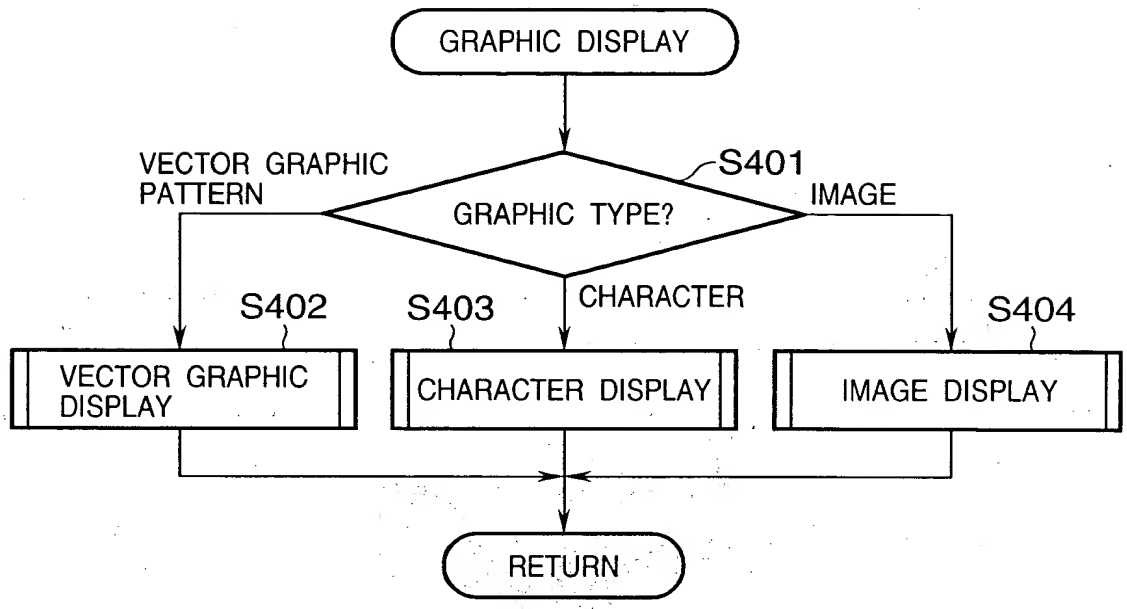
GRAPHIC DISPLAY
S401
GRAPHIC TYPE?
VECTOR GRAPHIC PATTERN
CHARACTER
IMAGE
S402
S403
S404
VECTOR GRAPHIC DISPLAY
CHARACTER DISPLAY
IMAGE DISPLAY
RETURN

FIG. 18

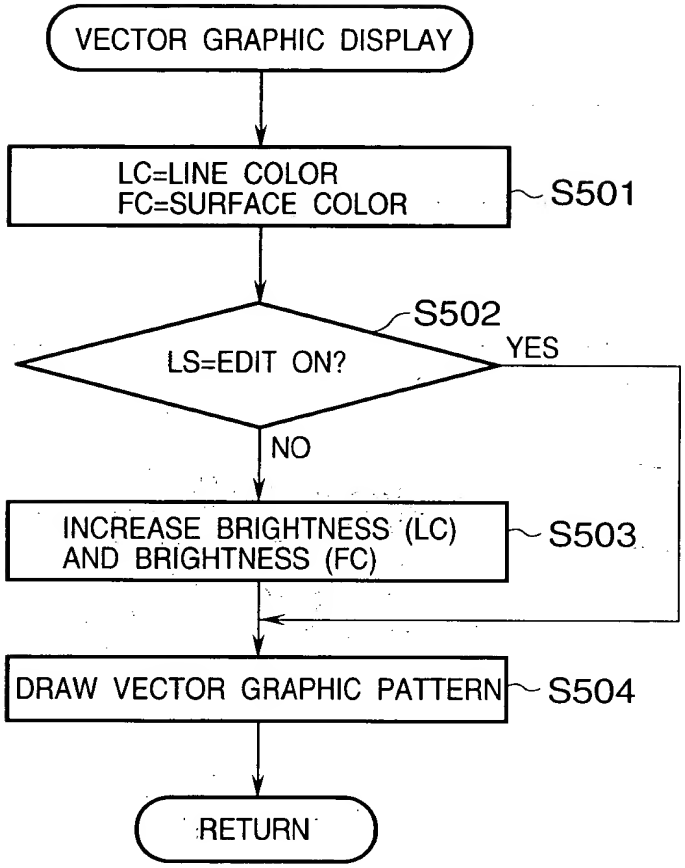
VECTOR GRAPHIC DISPLAY
LC=LINE COLOR
FC=SURFACE COLOR
S501
S502
LS=EDIT ON?
YES
NO
INCREASE BRIGHTNESS (LC)
AND BRIGHTNESS (FC)
S503
DRAW VECTOR GRAPHIC PATTERN
S504
RETURN

FIG. 19

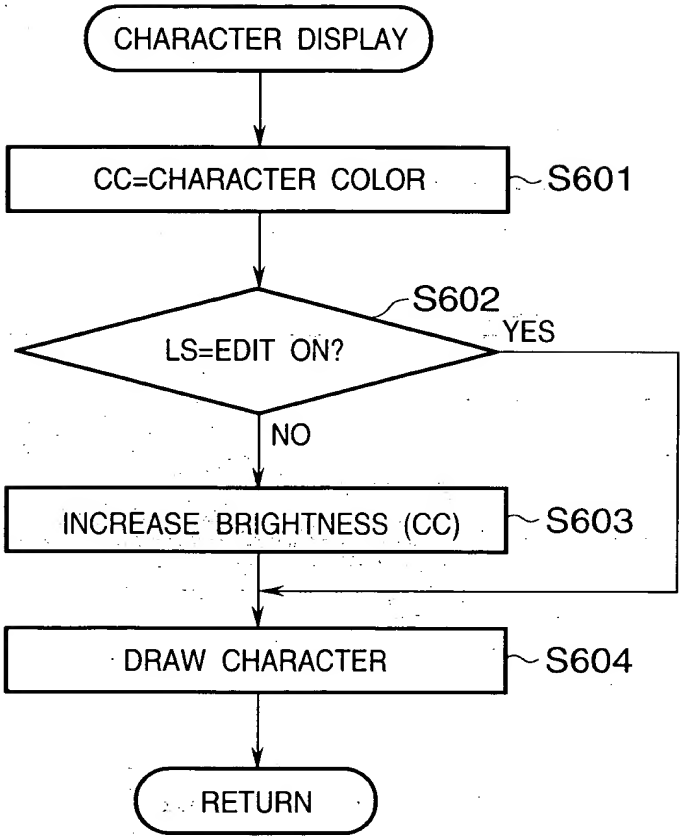
CHARACTER DISPLAY
CC=CHARACTER COLOR
S601
S602
LS=EDIT ON?
YES
NO
INCREASE BRIGHTNESS (CC)
S603
DRAW CHARACTER
S604
RETURN

FIG. 20

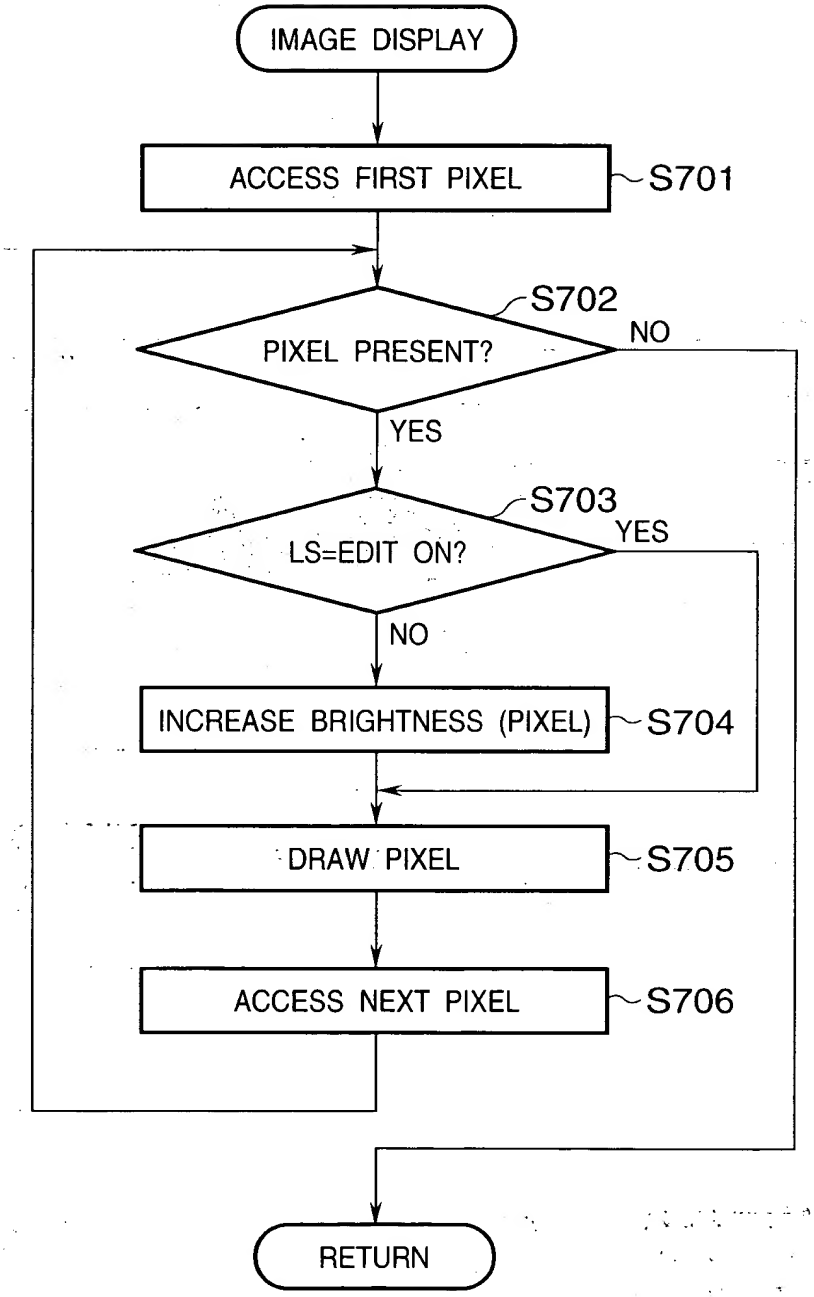
IMAGE DISPLAY
ACCESS FIRST PIXEL
S701
S702
PIXEL PRESENT?
NO
YES
S703
LS=EDIT ON?
YES
NO
INCREASE BRIGHTNESS (PIXEL)
S704
DRAW PIXEL
S705
ACCESS NEXT PIXEL
S706
RETURN